

## Author Index

Abe K. . . . .	332	de Wit R. . . . .	146
Abildgaard A. . . . .	265	Dean P.B. . . . .	272
Adam A.N. . . . .	91	Dedrick C.G. . . . .	275
Adam G. . . . .	165	Degreif J. . . . .	356
Allison D.J. . . . .	323	del Viscovo L. . . . .	27
Almgren B. . . . .	317	Delcour C. . . . .	435
Althaus S. . . . .	364	Delemazure O. . . . .	160
Amygdalos M.A. . . . .	107	Delos M. . . . .	285
Ashdown B. . . . .	364	DeMarta D.A. . . . .	123
Athanassopoulou A.K. . . . .	187	Didier D. . . . .	348
Austin W.R. . . . .	227	Domeracki F. . . . .	37
Balkanci F. . . . .	56	Domschke S. . . . .	15
Ball D.S. . . . .	37, 47	Dorffner R. . . . .	117
Barile A. . . . .	291	Drinković I. . . . .	360
Barth K.H. . . . .	423	Düber C. . . . .	356
Baum R.A. . . . .	368	Dussek J.E. . . . .	91
Beckmann C.F. . . . .	275, 281	Dutch Iliac Stent Trial Group . . . . .	411
Bell P.R.F. . . . .	184	Edge T.S. . . . .	265
Belli A.-M. . . . .	82, 152, 291	Eikelboom B.C. . . . .	313
Bergqvist L. . . . .	418	Elliott B.M. . . . .	120
Bergqvist D. . . . .	317	Elzman B.H.P. . . . .	313
Beyer-Enke S.A. . . . .	406	England R.E. . . . .	381
Biesterfeld S. . . . .	165, 248	Ernst O. . . . .	160
Bjarnason H. . . . .	227	Fan C.-M. . . . .	305
Blumhardt G. . . . .	388	Farrés M.T. . . . .	101, 288
Bodner L.J. . . . .	193	Fernández R. . . . .	371
Bolia A. . . . .	184	Ferral H. . . . .	442
Boos I. . . . .	15	Ferro C. . . . .	291
Bowyer R.C. . . . .	128	Fischbach R. . . . .	431
Boyvat F. . . . .	56	Fisher A.I. . . . .	341
Brambs H.-J. . . . .	242	Frahm C. . . . .	335
Braun M.A. . . . .	428	Francica G. . . . .	27
Braunstein L. . . . .	37, 47	Fransen P. . . . .	348
Brkljačić B. . . . .	360	Freeny P.C. . . . .	364
Brodkin J. . . . .	298	Freyman C. . . . .	423
Brossman J. . . . .	345	Froelich J.J. . . . .	423
Bruninx G. . . . .	435	Fu M. . . . .	438
Buckenham T.M. . . . .	82, 152	Gabata T. . . . .	352
Çakirer S. . . . .	278	Garcia-Hidalgo E. . . . .	371
Carrel T. . . . .	113	Gates J. . . . .	329
Castañeda F. . . . .	388	Gehl H.-B. . . . .	335
Castañeda-Zúñiga W.R. . . . .	227	Geller S.C. . . . .	305
Çayan S. . . . .	278	Giorgio A. . . . .	27
Cekirge S. . . . .	56	González J. . . . .	371
Cheng Y.-F. . . . .	438	Gorritz E. . . . .	442
Chin D.H. . . . .	302	Gossmann A. . . . .	431
Chopra P.S. . . . .	123	Gouliamos A.D. . . . .	187
Clouse M.E. . . . .	329	Grabitz R. . . . .	170
Coe J.Y. . . . .	170	Graf O. . . . .	10
Cohen G.S. . . . .	37, 47	Greenfield A.J. . . . .	446
Coldwell D. . . . .	364	Grenko R.T. . . . .	341
Cope C. . . . .	107, 368	Grubnic S. . . . .	152
Cossi A. . . . .	281	Guenther R.W. . . . .	40
Cowling M.G. . . . .	82	Günther R.W. . . . .	165, 248, 260
Cox M.R. . . . .	128	Haapanen A. . . . .	272
Cui Z. . . . .	239	Haaring C. . . . .	411
Cwikiel W. . . . .	418	Haldemann A.R. . . . .	77
Dalichau H. . . . .	255	Halin N.J. . . . .	446
Davies R.P. . . . .	128	Hamatake S. . . . .	50
De Coene B. . . . .	285	Han M.-J. . . . .	32
De Scheerder I. . . . .	176	Hanno P. . . . .	47
de Vos H. . . . .	313	Harnek J. . . . .	418
De Wispelaere J.-F. . . . .	285	Hartnell G.G. . . . .	329

- Haskal Z.J. . . . . 107, 368  
 Hasse F. . . . . 388  
 He F.-X. . . . . 32  
 Heenan S.D. . . . . 152  
 Heindel W. . . . . 431  
 Heller M. . . . . 294, 345  
 Helton W.S. . . . . 364  
 Hirai T. . . . . 1, 50  
 Höpfner M. . . . . 294  
 Hoppe M. . . . . 423  
 Hopper K.D. . . . . 341  
 Horiata K. . . . . 53  
 Hsieh J.-S. . . . . 21  
 Huang C.-J. . . . . 21  
 Huang T.-J. . . . . 21  
 Hunter D.W. . . . . 227  
 Ikemoto Y. . . . . 374  
 Ikushima I. . . . . 50  
 Imamura H. . . . . 374  
 Irie T. . . . . 139  
 Ishii C. . . . . 139  
 İşlak C. . . . . 278  
 Jackson J.E. . . . . 323  
 Jaeger H.J. . . . . 388  
 Jakobsen J.Å. . . . . 265  
 Jaschke W. . . . . 181  
 Jeckel J. . . . . 72  
 Kadioğlu A. . . . . 278  
 Kadish S.L. . . . . 107  
 Kadoya M. . . . . 352  
 Kalovidouris A. . . . . 187  
 Kaneko M. . . . . 32  
 Karacagil S. . . . . 317  
 Kawai N. . . . . 397  
 Kelsey P.B. . . . . 43  
 Kettenbach J. . . . . 117  
 Khan H.G. . . . . 348  
 Kilbinger M. . . . . 165  
 Kimura M. . . . . 53, 397  
 Kinser J.A. . . . . 77  
 Kishi K. . . . . 53, 397  
 Klose K.J. . . . . 423  
 Kløw N.-E. . . . . 265  
 Ko S.-F. . . . . 438  
 Kobayashi K. . . . . 352  
 Kobayashi Y. . . . . 374  
 Königsrainer A. . . . . 181  
 Koranda P. . . . . 77  
 Korogi Y. . . . . 1, 50  
 Kotoulas G.K. . . . . 187  
 Koulocheri D.P. . . . . 187  
 Kreitner K.-F. . . . . 356  
 Kueffer G. . . . . 190  
 Kuijpers T.J.A. . . . . 146  
 Kulisch A. . . . . 248  
 Kumar K. . . . . 97  
 Kutsukake Y. . . . . 332  
 Kwon O.J. . . . . 123  
 L'Hermine C. . . . . 160  
 Lackner K. . . . . 431  
 Lacomis J.M. . . . . 275  
 Laméris J.S. . . . . 72  
 Lammer J. . . . . 10, 101, 117, 288  
 Lauchart W. . . . . 242  
 Lazinger M. . . . . 281  
 Le T.-P. . . . . 170  
 Lee T.-Y. . . . . 438  
 Legemate D.A. . . . . 313  
 Lesnfsky E.J. . . . . 377  
 Lesnfsky M.H. . . . . 377  
 Link J. . . . . 294, 345  
 Lo P.-H. . . . . 438  
 Lobrano M.B. . . . . 442  
 Loehlein D. . . . . 388  
 Löfberg A.-M. . . . . 317  
 Long W.B. . . . . 107  
 Lonjedo E. . . . . 442  
 Loosveld O. . . . . 146  
 Lörelius L.-E. . . . . 317  
 Löser C. . . . . 294  
 Lund G.B. . . . . 110  
 Magoufis G.L. . . . . 187  
 Mali W.P.T.M. . . . . 234, 313, 411  
 Malloy P.C. . . . . 110  
 Mansfield A.O. . . . . 323  
 Mariniello N. . . . . 27  
 Martin D.F. . . . . 381  
 Mathias K.D. . . . . 388  
 Matsueda K. . . . . 53  
 Matsui O. . . . . 352  
 Matte J.-C. . . . . 435  
 Maynar M. . . . . 442  
 Mazer M.J. . . . . 401  
 McCrohan G. . . . . 123  
 Mehrling U.-M. . . . . 388  
 Melchart U.H. . . . . 335  
 Merrill T.N. . . . . 428  
 Meyers H. . . . . 72  
 Michel O. . . . . 431  
 Mikkola J. . . . . 272  
 Müller L.-P. . . . . 356  
 Müller-Hülsbeck S. . . . . 294, 345  
 Murakami R. . . . . 50  
 Murphy K.D. . . . . 123  
 Namyslowski J. . . . . 446  
 Nasim A. . . . . 184  
 Nazarian G.K. . . . . 227  
 Neuerberg J. . . . . 40  
 Neuß M.B. . . . . 170  
 Ng S.-H. . . . . 438  
 Nishida N. . . . . 53  
 Nogi S. . . . . 374  
 Noshier J.L. . . . . 193  
 Numan F. . . . . 278  
 Nuzzo A. . . . . 27  
 Odink H. . . . . 65  
 Ögüt G. . . . . 278  
 Oguzkurt L. . . . . 56  
 Ohsugi F. . . . . 139  
 Okawada T. . . . . 32  
 Oliver J.M. . . . . 371  
 Osterman F.A. Jr. . . . . 298  
 Otani H. . . . . 374  
 Otten P. . . . . 348  
 Oudkerk M. . . . . 146  
 Padbury R.T.A. . . . . 128  
 Parga G. . . . . 371  
 Perona F. . . . . 291

- Persson B. . . . . 418  
 Petersen B.D. . . . . 302  
 Pfeffer J. . . . . 165  
 Piessens J. . . . . 176  
 Propst A. . . . . 181  
 Propst T. . . . . 181  
 Pulido-Duque J.M. . . . . 442  
 Qureshi S.A. . . . . 85  
 Rajani M. . . . . 97  
 Ray C.E. Jr. . . . . 305  
 Redel D.A. . . . . 170  
 Reed R.A. . . . . 401  
 Reich J. . . . . 47  
 Reidy J.F. . . . . 85  
 Reimer W. . . . . 288  
 Reyes R. . . . . 442  
 Rieber A. . . . . 242  
 Rivitz S.M. . . . . 43, 305  
 Roberto P.J. . . . . 47  
 Rollins N.K. . . . . 401  
 Rösch J. . . . . 302  
 Rösler H. . . . . 77  
 Rossi P. . . . . 65  
 Roth R.A. . . . . 281  
 Rotondo A. . . . . 27  
 Roussakis A.C. . . . . 187  
 Saatçi I. . . . . 56  
 Sadaoka S. . . . . 139  
 Sakamoto Y. . . . . 50  
 San Roman J.L. . . . . 442  
 Saraste M. . . . . 272  
 Sato M. . . . . 53, 397  
 Savader S.J. . . . . 298  
 Schima W. . . . . 101  
 Schmitz P.I.M. . . . . 146  
 Schmitz-Rode T. . . . . 165, 260  
 Schüpbach P. . . . . 113  
 Schürmann K. . . . . 40, 248, 260  
 Sergeant G. . . . . 160  
 Sharma S. . . . . 97  
 Shioyama Y. . . . . 53, 332, 397  
 Shirodkar N.B. . . . . 123  
 Siegel R.L. . . . . 193  
 Smith S.J. . . . . 428  
 Söldner J. . . . . 406  
 Sonomura T. . . . . 332, 397  
 Spengel F.A. . . . . 190  
 Stackhouse D.J. . . . . 227  
 Stanley P. . . . . 401  
 Staudacher M. . . . . 117  
 Steffens J.C. . . . . 345  
 Stoeckelhuber B.M. . . . . 190  
 Stopinski T. . . . . 248  
 Strecker E.-P. . . . . 15  
 Stridbeck H. . . . . 418  
 Stroehmer-Kulisch E. . . . . 248  
 Strohm M. . . . . 15  
 Suojanen J.N. . . . . 329  
 Suzuki K. . . . . 332  
 Szeimies U. . . . . 190  
 Tada S. . . . . 139  
 Takahashi M. . . . . 1, 32, 50  
 Takashima T. . . . . 352  
 Tan B.-S. . . . . 91  
 Tanaka J. . . . . 332  
 Tanaka K. . . . . 397  
 Taneja K. . . . . 97  
 Tarantino L. . . . . 27  
 Teitelbaum G.P. . . . . 401  
 Tellaloğlu S. . . . . 278  
 TenHave T.R. . . . . 341  
 Terada M. . . . . 53, 397  
 Teraguchi M. . . . . 374  
 Tetteroo E. . . . . 411  
 Thiel T. . . . . 423  
 Thurnher M.M. . . . . 10  
 Thurnher S. . . . . 101  
 Thurnher S.A. . . . . 10  
 Tilanus H.W. . . . . 72  
 Timmermans H. . . . . 302  
 Tio F. . . . . 170  
 Tomita K. . . . . 332  
 Tonkin I.L.D. . . . . 401  
 Tooouli J. . . . . 128  
 Trigaux J.-P. . . . . 285  
 Triller J. . . . . 77, 113  
 Tschäppeler H. . . . . 113  
 Tsushima Y. . . . . 272  
 Uflacker R. . . . . 120  
 Unoura M. . . . . 352  
 Urabe T. . . . . 352  
 Ushimi T. . . . . 332  
 van der Graaf Y. . . . . 234, 411  
 van der Heyden F.W.H.M. . . . . 313  
 van Engelen A.D. . . . . 411  
 van Overhagen H. . . . . 72  
 van Schaik J.P.J. . . . . 411  
 VanWilder F. . . . . 435  
 Verbeken E. . . . . 176  
 Vetter S. . . . . 15  
 Vicol C. . . . . 255  
 Villar R. . . . . 371  
 Vlahos L. . . . . 187  
 Vogel W. . . . . 181  
 Vorwerk D. . . . . 40, 248, 260  
 Wagner B. . . . . 101  
 Wagner H.J. . . . . 423  
 Waldenberger P. . . . . 181  
 Walser R.H. . . . . 77  
 Waltman A.C. . . . . 43  
 Wang C.-R. . . . . 32  
 Wang J.-Y. . . . . 21  
 Wang K. . . . . 176  
 Wang M.Q. . . . . 239  
 Wang Y.P. . . . . 239  
 Watkinson A.F. . . . . 91  
 Wegryn S.A. . . . . 227  
 Weiss H.-D. . . . . 335  
 Wendt G. . . . . 40  
 Westman B. . . . . 317  
 Weynants P. . . . . 285  
 Wilczek K. . . . . 176  
 Wildling R. . . . . 10, 101  
 Wilson T.G. . . . . 128  
 Winick A.B. . . . . 110  
 Winkelbauer F. . . . . 10, 101, 117  
 Winrow D. . . . . 275  
 Winter-Warnars H.A.O. . . . . 234

Wyttenbach M. . . . .	113	Yokoyama Y. . . . .	332
Xing C.C. . . . .	239	Yoshikawa J. . . . .	352
Xu K. . . . .	32	Yu M. . . . .	239
Yakes W.F. . . . .	65	Zeitler E. . . . .	406
Yamada R. . . . .	53, 397	Zhang H.-G. . . . .	32
Yamada T. . . . .	139	Zhang J.S. . . . .	239
Yang L. . . . .	239	Zhang X.-T. . . . .	32

# Subject Index

- Access, nephrostomy, snare wire, 193
- Accessory portal vein, 239
- Aneurysm,
  - , femoropopliteal, covered stent, 117
  - , suprarenal, ruptured, angiography, 291
- Angiography,
  - , vs AA index vs duplex US for follow-up, 234
  - , ruptured suprarenal aneurysm, 291
- Angioplasty, percutaneous transluminal,
  - , and stent placement, Budd-Chiari, 32
  - , hepatic artery, complications, 181
  - , pressure gradient assessment, 411
  - , puncture site sealing, 406
- Angioscintigraphy, AV shunts, liver tumors, 77
- Ankle-arm index vs angiography vs duplex US for follow-up, 234
- Aorticaval fistula, embolization, 56
- Arteriosclerosis, intravascular ultrasound, 1
- Arteriovenous fistula, stent-graft repair, 120
- Arteriovenous malformation, 65
  - , flow occlusion techniques, 323
  - , pulmonary, systemic supply, 285
- Arteriovenous shunts in liver tumors, 77
- Artery,
  - , brachial, occlusion, 184
  - , carotid, rupture, balloon embolization, 50
  - , femoropopliteal,
    - , —, AA index vs angiography vs duplex US, 234
    - , —, femoropopliteal, atherectomy, catheter, 152
    - , hepatic, angioplasty complication, 181
    - , iliac, thrombus in stent, 190
    - , pulmonary, CT vs cine, 97
    - , renal, spiral CT vs DSA, 101
- Aspiration biopsy vs capillary, 341
- Atherectomy catheter, pullback, 152
- Balloon,
  - , embolization, carotid artery rupture, 50
  - , occlusion portography, 368
  - , rupture, retrieval, 428
  - , valvuloplasty, critical aortic stenosis, 374
- Biliary complications after liver transplant, 242
- Biliary drainage,
  - , duodenal fistula, 371
  - , percutaneous transhepatic, 160
- Biliary stent,
  - , covered, 10
  - , transjugular insertion, 107
- Biopsy,
  - , capillary vs aspiration, 341
  - , liver,
    - , —, Biopsy gun, 442
    - , —, US, lethal complications, 360
    - , needle path, subpleural lesions, 332
- Brachial artery occlusion, 184
- Budd-Chiari, PTA and stents, 32
- Capillary biopsy vs aspiration, 341
- Cardiac catheterization complication, 184
- Carotid artery rupture, balloon embolization, 50
- Catheter,
  - , central venous, repositioning, 329
  - , entanglement, pulmonary arteriography, 275
  - , fragmentation, caval thrombus, 260
  - , high-speed rotating, 165
  - , migration of port-a-cath system, 435
  - , percutaneous drainage, 128
- Cavernous hemangiomas, embolization, 364
- Chemoembolization, sequential, HCC, 388
- Chemotherapy, gynecologic, IA cisplatin, 139
- Cholecystitis, cholecystostomy, 72
- Cholecystostomy for cholecystitis, 72
- Cisplatin, IA, extended, gynecologic cancer, 139
- Coil,
  - , interlocking detachable, 85
  - , occlusion of neonate PDA, 170
- Computed tomography,
  - , spiral, vs DSA, renal arteries, 101
  - , vs cine in cyanotic CHD, 97
- Congenital heart disease, cyanotic, CT vs cine, 97
- Contrast extravasation, pulmonary arteriography, 305
- Contrast media, ultrasound, 265
- Coronary fistula, traumatic, 272
- Critical aortic stenosis, balloon valvuloplasty, 374
- Devascularization, 21
- Dissection,
  - , aortic diverticulum, MRI, 438
  - , gastric wall, 288
- Doppler US after TIPS, 397
- Drain fragment, Jackson-Pratt, retrieval, 446
- Drainage,
  - , biliary,
    - , —, duodenal fistula, 371
    - , —, percutaneous transhepatic, 160
  - , percutaneous, new catheter, 128
- Duplex scanning, color-coded, 313
- Emboli, pulmonary, fragmentation, 165
- Embolization,
  - , AVMs, flow occlusion techniques, 323
  - , balloon,
    - , —, carotid artery rupture, 50
    - , —, hepatic encephalopathy, 53
  - , bleeding after L4/L5 disectomy, 348
  - , coil, aorticaval fistula, 56
  - , cyanoacrylate, aorticaval fistula, 56
  - , gastric artery pseudoaneurysm, 110
  - , giant cavernous hemangiomas, 364
  - , hepatic artery pseudoaneurysm, 43
  - , idiopathic priapism, 47
  - , interlocking detachable coils, 85
  - , NBCA, high-flow priapism, 278
  - , posttraumatic priapism, 278, 281
  - , ruptured suprarenal aneurysm, 291
- Encephalopathy, hepatic, balloon embolization, 53
- Esophageal stent, nitinol, 15
- Esophagogastric varices, portography, 21
- Ethanol,
  - , arteriovenous malformation, 65
  - , injection, liver tumors, 27
- Femoropopliteal artery,
  - , AA index vs angiography vs duplex US for follow-up, 234
  - , atherectomy catheter, 152
- Femoropopliteal aneurysm, covered stent, 117
- Filters, IVC, in pediatrics, 401
- Fistula,
  - , aorticaval, coil embolization, 56
  - , AV, stent-graft repair, 120



- , coronary, traumatic, 272
- , duodenal, drainage, 371
- , esophagorespiratory, stent, 431
- Foreign body retrieval,
  - , loop snare, 298
  - , percutaneous, 446
- Fragmentation,
  - , catheter, caval thrombus, 260
  - , pulmonary emboli, 165
- Gastric artery, pseudoaneurysm, embolization, 110
- Gastric wall dissection, 288
- Gastrostomy, percutaneous, complication, 288
- Graft puncture, direct, thrombolysis, 82
- Gynecologic cancer, extended IA cisplatin, 139
- Heart,
  - , MRI, hydatid disease, 187
  - , total anomalous pulmonary venous connection, 113
- Hemangioma, cavernous, embolization, 364
- Hemorrhage,
  - , puncture site sealing, 406
  - , retroperitoneal, embolization, 348
- Heparin-induced thrombocytopenia, 123
- Hepatic artery,
  - , angioplasty complication, 181
  - , pseudoaneurysm, embolization, 43
- Hepatic encephalopathy, balloon embolization, 53
- Hepatic vein thrombosis, 368
- Hepatocellular carcinoma, sequential TACE, 388
- Hydatid disease, heart, MRI, 187
- Hypothenar hammer syndrome, 356
- Iliac artery, thrombus in stent, 190
- Inferior vena cava filters, pediatric, 401
- Infusion techniques, 423
- Intravascular ultrasound, peripheral arteries, 1
- Jaundice, malignant obstructive, 381
- Limb ischemia, below-knee PTA, 317
- Liver,
  - , biopsy,
    - , —, Biopsy gun, 442
    - , —, US, lethal complications, 360
    - , isolated perfusion, 418
  - , transplantation, biliary complications, 242
  - , tumors,
    - , —, AV shunt evaluation, 77
    - , —, one-shot ethanol injection, 27
- Loop snare retrieval, ruptured balloon, 428
- Magnetic resonance,
  - , dissection, of aortic diverticulum, 438
  - , heart, hydatid disease, 187
  - , needle visualization, 335
- Malignant obstructive jaundice, 381
- Malpositioned central venous catheters, 329
- Metal artifacts, MRI, 335
- Needle path, biopsy subpleural lesions, 332
- Needles, magnetic resonance compatibility, 335
- Neointimal hyperplasia, comparison of stents, 248
- Nephrostomy access, snare wire, 193
- Occlusion,
  - , brachial artery, 184
  - , venous, metallic stents, 227
- Patent ductus arteriosus, neonate, occlusion, 170
- Patient selection for PTA, color-coded duplex scanning, 313
- Pediatric patients, IVC filter, 401
- Percutaneous transluminal angioplasty,
  - , below-knee, 317
  - , patient selection, 313
  - , pressure gradient assessment, 411
- Perfusion, isolated, liver, 418
- Peripheral arteries, ultrasound, 1
- Peripheral circulation, pseudostenosis, 377
- Port-a-cath system, migration, 435
- Portal collaterals, portography, 21
- Portal vein,
  - , accessory, 239
  - , thrombosis, chronic, TIPS, 352
- Portography,
  - , balloon occlusion, 368
  - , recurrent varices, 21
- Pressure gradients, assessment of stenting and PTA, 411
- Priapism,
  - , idiopathic, embolization, 47
  - , posttraumatic, embolization, 278, 281
- Pseudoaneurysm,
  - , embolization, gastric artery, 110
  - , hepatic artery, embolization, 43
- Pseudostenosis, peripheral circulation, 377
- Pulmonary,
  - , angiography complication, 275
  - , arteriography, contrast extravasation, 305
  - , AVM, systemic supply, 285
  - , emboli fragmentation, 165
  - , venous connection, total anomalous, 113
- Pulse-spray infusion, technique, 423
- Puncture site sealing, 406
- Recanalization,
  - , extraluminal, 184
  - , venous, rheolytic system, 255
- Renal arteries, spiral CT vs DSA, 101
- Repositioning, displaced catheter, 435
- Retrieval,
  - , foreign body, loop snare, 298
  - , Jackson-Pratt drain fragment, 446
  - , ruptured balloon, 428
- Rheolytic thrombectomy of TIPS, 294
- Rheolytic system, venous recanalization, 255
- Spiral CT vs DSA, renal arteries, 101
- Stenosis,
  - , stent, 37
  - , venous, metallic stent, 227
- Stent,
  - , biliary, transjugular insertion, 107
  - , biocompatibility comparison, 176
  - , caval, retroperitoneal fibrosis, 40
  - , comparison for neointimal hyperplasia, 248
  - , covered,
    - , —, biliary, 10
    - , —, inflammatory reaction, 345
    - , —, nitinol, femoropopliteal aneurysm, 117
  - , effort thrombosis, 37
  - , esophagorespiratory fistula, 431
  - , hepatic IVC, Budd-Chiari, 32
  - , metallic, venous stenosis, 227
  - , metal self-expanding, SVC syndrome, 146
  - , nitinol esophageal, 15
  - , SVC syndrome, 302
  - , thromboembolic stenosis, 190
  - , tracheobronchial obstruction, Wallstent, 91
- Stent-graft repair, AV fistula, 120

- Stenting, assessment by pressure gradients, 411  
Subpleural lesions, biopsy needle path, 332  
Superior vena cava syndrome, stent, 146, 302  
Thrombectomy, hydrodynamic, ilio caval stenosis, 40  
Thrombocytopenia, heparin induced, IA urokinase, 123  
Thrombolysis,  
—, direct graft puncture, 82  
—, infusion techniques, 423  
Thrombosis,  
—, chronic portal vein, TIPS, 352  
—, hepatic vein, 368  
—, stent placement, 37  
Thrombus catheter fragmentation, caval, 260  
Tracheobronchial obstruction, Wallstent, 91  
Transjugular intrahepatic portosystemic shunt,  
—, chronic portal vein thrombosis, 352  
—, complication, hepatic encephalopathy, 53  
—, Doppler US after, 397  
—, thrombosis, rheolytic thrombectomy, 294  
Transjugular liver biopsy, Biopsy gun, 442  
Transplantation, liver, biliary complications, 242  
Tumor, liver,  
—, AV shunt evaluation, 77  
—, one-shot ethanol injection, 27  
Ultrasound,  
—, contrast media, 265  
—, Doppler, after TIPS, 397  
—, duplex vs AA index vs angiography for follow-up, 234  
—, intravascular, peripheral arteries, 1  
Urokinase, thrombocytopenia, 123  
Valvuloplasty, balloon, critical aortic stenosis, 374  
Varices, recurrent, portography, 21  
Vascular access device, IA cisplatin infusion, 139  
Vein, portal, accessory, 239  
Venous recanalization, rheolytic system, 255  
Wallstent, tracheobronchial obstruction, 91  
Wrist, muscle anomaly, 356